



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010600
CERTIFICATION DATE: December 6, 2013
DATE RECERTIFICATION DUE: June 4, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

Melissa Kennedy
Program Manager, Calibration & Training

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 12th day of
December, 2013 by Melissa Kennedy

Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014

mmB



Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 12/9/2013

DBH

MSR

Instrument Serial Number:	010600	As of 09-Dec-13
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Maintenance	Certification	Technician	
Date	Date	Initials	Remarks
06-Dec-13	06-Dec-13	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE. CALIBRATED AND CERTIFIED. REPLACED DRY GAS STANDARD.
18-Jun-13	18-Jun-13	DBH (21250)	CERTIFIED.
24-Oct-12	24-Oct-12	DBH (21250)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
23-Nov-10	23-Nov-10	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
15-Jun-10	15-Jun-10	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
29-Dec-09	29-Dec-09	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
14-Jul-09	14-Jul-09	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED.
11-Mar-09	11-Mar-09	HMS (18910)	CERTIFIED.
05-Mar-09	05-Mar-09	NMJ (22392)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
22-Dec-08	22-Dec-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH
WJ

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010600 Worksheet Start Date 12/6/2013

Location Middlesex CO SO

Address 75 Oakes Landing Rd Saluda VA 23149

DFS Technician Donald Hall License No. 21250

☐ Laboratory ☒ On-Site

Site Specifications

	Yes	No
1 Secured Environment: Location must not be accessible to the general public.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2 Environment free from contaminants	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3 Dedicated telephone line: The phone line should be used solely by the instrument.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4 Adequate Ventilation: Enough space must be provided for the instrument and the printer to allow for adequate ventilation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5 Stable temperature controls: The instrument should not be exposed to direct sources of temperature variation.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6 115VAC power source: Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7 Room Condition: The site should be free of excessive moisture, heat and dust.	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Old serial no.	New serial no.	Supplies	
E-Seek		Mouthpieces	25
Keyboard		Certificates of Analysis	60
Printer		Operator Worksheet	
UPS		Other:	

Maintenance (if any)
Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010600

Certification Date 12/6/2013

Instrument Barometer (mm HG) 758

Reference Barometer (mm HG) 758

Reference Barometer(RB)Serial # 009109

RB Calibration Due 8/1/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.248
0.250	0.249	0.241	0.256	Sample 2	0.248
Precision		sample min	sample max	Sample 3	0.248
0		0.248	0.248		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.150
0.150	0.150	0.145	0.154	Sample 2	0.150
Precision		sample min	sample max	Sample 3	0.150
0		0.150	0.150		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.080
0.080	0.080	0.077	0.083	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.080
0		0.080	0.080		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.019
0		0.019	0.019		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☒ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG316301-21

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.100
0.100	0.100	0.097	0.103	Sample 2	0.100
Precision		sample min	sample max	Sample 3	0.100
0		0.100	0.100		

DFS Technician

Donald B Hall

Date

12/9/13

Issuing Analyst

Melissa Kennedy

Date

12/10/13

Intox EC/IR II QA Worksheet
 Issued by Calibration and Training Program Manager
 Issue Date: 4-March-2013

DFS Document 250-F113
 Revision 6
 Page 2 of 2




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 12/06/2013
TEST EQUIPMENT NUMBER 010600		

RESULTS: TIME SAMPLE TAKEN 15:03 EST
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 06 Dec 2013 at 15:36

TLN
IBH
NKK

Test Results

Instrument Serial Number 010600

Test # 001497 Subject Test

Test Location 1 Department of
Test Date 06 Dec 2013

Test Location 2 Forensic Science
Test Time 14:56
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B

Card Serial Number 121250

License Number 21250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 06 Dec 2013 End Time 15:04

Result Time 15:03

Result Date 06 Dec 2013 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 14:57

Data Type BLK

Sample Value 0.000

Sample Time 14:57

Data Type CHK

Sample Value 0.100

Sample Time 14:58

Data Type BLK

Sample Value 0.000

Sample Time 14:59

Data Type SUBJ

Sample Value 0.000

Sample Time 15:00

Data Type BLK

Sample Value 0.000

Sample Time 15:01

Data Type SUBJ

Sample Value 0.000

Sample Time 15:03

Data Type BLK

Sample Value 0.000

Sample Time 15:04

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG210901-12

Standard Expiration Date 04/18/2014

Tank Pressure 438

Barometric Pressure 758 mmHg

Blow Sample Number 1 Blow Duration 3.55 sec

Blow Volume 1760 cc End-of-Blow Time 15:00

Blow Sample Number 2 Blow Duration 3.60 sec

Blow Volume 1736 cc End-of-Blow Time 15:03

Tamper Evident Stamp 56d7cd4d

Test Status Code 0

Test Status Success

DBH

WJK

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010600 Test Number: 1498

Test Date: 12/06/2013 Test Time: 15:06 EST

Dry Gas Target: 0.100

Lot Number: AG210901-12 Exp Date: 04/18/2014

Tank Pressure: 433 psi Barometric Pressure: 758 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	15:06
CHK	0.100	15:07
BLK	0.000	15:09
CHK	0.100	15:10
BLK	0.000	15:11
CHK	0.100	15:12

Test Status: *Success*

Calibration CRC: 9210AB95

DBH

Intox EC/IR-II: Accuracy Check

MLK

Department of Forensic Science
Serial Number: 010600 Test Number: 1499
Test Date: 12/06/2013 Test Time: 15:15 EST
Dry Gas Target: 0.299
Lot Number: AG322702-07 Exp Date: 08/15/2015
Tank Pressure: 389 psi Barometric Pressure: 758 mmHg
System Check: Passed

Test	g/210L	Time
BLK	0.000	15:16
CHK	0.301	15:16
BLK	0.000	15:18
CHK	0.301	15:19
BLK	0.000	15:20
CHK	0.300	15:21

Test Status: Success

Calibration CRC: 9210AB95

Intox EC/IR-II: Certification

DBH

Department of Forensic Science

Serial Number: 010600 Test Number: 1500
Test Date: 12/06/2013 Test Time: 15:25 EST

MSK

Technician Initials: DBH

Dry Gas Target: 0.100

Lot Number: AG210901-12 Exp Date: 04/18/2014

Tank Pressure: 424 psi Barometric Pressure: 758 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:25
BLK	0.000	15:26
CHK	0.099	15:27
BLK	0.000	15:28
CHK	0.099	15:29
BLK	0.000	15:30
CHK	0.099	15:31
BLK	0.000	15:32

Success

Standard Value (at sea level): 0.100 g/210L

Certification Status: Success

PERFORMED ONE-POINT CERTIFICATION IN PREPARATION FOR
FIRMWARE/SOFTWARE UPGRADE DUE TO CERTIFICATION
WARNING ON DISPLAY.

DBH

12/6/13

Intox EC/IR-II: Software Version

Department of Forensic Science

Serial Number: 010600

System Date: 12/06/2013

System Time: 15:53 EST

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

DBH

MSK

Intox EC/IR-II: Calibration

Department of Forensic Science

Serial Number: 010600 Test Number: 1501

Test Date: 12/06/2013 Test Time: 15:57 EST

Dry Gas Target: 0.100

Lot Number: 0651210013-05 Exp Date: 04/01/2014

Tank Pressure: 345 psi Barometric Pressure: 758 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	15:57
CAL	0.100	15:58

Test Status: Success

Calibration CRC: 83CABFEF

DBH

MSK

Intox EC/IR-II: Certification

DBH

Department of Forensic Science

Serial Number: 010600 Test Number: 1502
Test Date: 12/06/2013 Test Time: 16:03 EST

MSK

Technician Initials: DBH

Dry Gas Target: 0.249

Lot Number: 2961225012-10 Exp Date: 11/01/2014

Tank Pressure: 75 psi Barometric Pressure: 758 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	16:04
BLK	0.000	16:05
CHK	0.248	16:05
BLK	0.000	16:07
CHK	0.248	16:08
BLK	0.000	16:10
CHK	0.248	16:11
BLK	0.000	16:12

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

DBH

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010600 Test Number: 1503
Test Date: 12/06/2013 Test Time: 16:15 EST

NDK

Technician Initials: DBH

Dry Gas Target: 0.150

Lot Number: 29512150I2-03 Exp Date: 11/01/2014

Tank Pressure: 458 psi Barometric Pressure: 758 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	16:16
BLK	0.000	16:16
CHK	0.150	16:17
BLK	0.000	16:19
CHK	0.150	16:19
BLK	0.000	16:21
CHK	0.150	16:22
BLK	0.000	16:23

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

DBH

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010600 Test Number: 1504
Test Date: 12/06/2013 Test Time: 16:26 EST

WJK

Technician Initials: DBH

Dry Gas Target: 0.080

Lot Number: 0771308012-01 Exp Date: 05/01/2015

Tank Pressure: 1031 psi Barometric Pressure: 758 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	16:27
BLK	0.000	16:27
CHK	0.080	16:28
BLK	0.000	16:29
CHK	0.080	16:30
BLK	0.000	16:32
CHK	0.080	16:32
BLK	0.000	16:34

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

DBH

Department of Forensic Science

Serial Number: 010600 Test Number: 1505
Test Date: 12/06/2013 Test Time: 16:36 EST

MLK

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0771302011-02 Exp Date: 05/01/2015

Tank Pressure: 835 psi Barometric Pressure: 758 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	16:37
BLK	0.000	16:38
CHK	0.019	16:38
BLK	0.000	16:40
CHK	0.019	16:40
BLK	0.000	16:42
CHK	0.019	16:42
BLK	0.000	16:44

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010600 Test Number: 1506

Test Date: 12/06/2013 Test Time: 16:46 EST

Dry Gas Target: 0.300

Lot Number: AG322702-07 Exp Date: 08/15/2015

Tank Pressure: 384 psi Barometric Pressure: 759 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	16:48
CHK	0.303	16:48
BLK	0.000	16:50
CHK	0.303	16:51
BLK	0.000	16:53
CHK	0.302	16:54

Test Status: Success

Calibration CRC: 83CABFEF

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010600 Test Number: 1507

Test Date: 12/06/2013 Test Time: 16:57 EST

Dry Gas Target: 0.100

Lot Number: AG316301-21 Exp Date: 06/12/2015

Tank Pressure: 590 psi Barometric Pressure: 759 mmHg

System Check: Passed

Test	g/210L	Time
BLK	0.000	16:58
CHK	0.100	16:59
BLK	0.000	17:00
CHK	0.100	17:01
BLK	0.000	17:02
CHK	0.100	17:03

Test Status: Success

Calibration CRC: 83CABFEF

DBH

msk

DBH

HSL




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED	NAME OF COURT
INSTRUMENT, TEST,	DFS

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY		AGENCY
HALL, DONALD, B		DFS Central Lab
DFS LICENSE NUMBER	LICENSE EXPIRES	DATE TEST CONDUCTED
21250	10/01/2014	12/06/2013
TEST EQUIPMENT NUMBER		
010600		

RESULTS: TIME SAMPLE TAKEN 17:12 EST

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 09 Dec 2013 at 08:55

DBH

WHL

Test Results

Instrument Serial Number 010600

Test # 001508 Subject Test

Test Location 1 Department of
Test Date 06 Dec 2013

Test Location 2 Forensic Science
Test Time 17:06
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B
License Number 21250

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 06 Dec 2013 End Time 17:13

Result Time 17:12

Result Date 06 Dec 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 17:06

Data Type BLK

Sample Value 0.000

Sample Time 17:07

Data Type CHK

Sample Value 0.099

Sample Time 17:08

Data Type BLK

Sample Value 0.000

Sample Time 17:09

Data Type SUBJ

Sample Value 0.000

Sample Time 17:10

Data Type BLK

Sample Value 0.000

Sample Time 17:11

Data Type SUBJ

Sample Value 0.000

Sample Time 17:12

Data Type BLK

Sample Value 0.000

Sample Time 17:13

Standard Type Dry Gas Std

Standard Value 0.100

Standard Lot Number AG316301-21

Standard Expiration Date 06/12/2015

Tank Pressure 590

Barometric Pressure 758 mmHg

Blow Sample Number 1 Blow Duration 3.73 sec

Blow Volume 1828 cc End-of-Blow Time 17:10

Blow Sample Number 2 Blow Duration 3.66 sec

Blow Volume 1899 cc End-of-Blow Time 17:12

Tamper Evident Stamp aa9bff68

Test Status Code 0

Test Status Success